

TYCO 18104 (SPLG 20958-62)

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OCT 30 2006

IN THE CLAIMS

1. (currently amended) An electronic module comprising:

an insulative housing having opposed first and second surfaces;

at least one circuit board contained within said housing;

a plurality of connectors coupled to said circuit board, at least some of said connectors accessible within openings extending through the first surface of said housing;

at least one fuse electrically coupled to said circuit board; and

an insulative fuse door sealingly engaged to the second surface of said housing and positionable with respect to said housing to provide access to said fuse from an exterior of said housing, the fuse door having an upstanding handle portion being substantially flush with the second surface when the fuse door is attached thereto, and the fuse door providing a moisture-proof barrier when in a closed position, thereby protecting the at least one circuit board when the housing is located in an exterior location for ready serviceability of the module by replacement of the fuse.
2. (previously presented) A module in accordance with claim 1 wherein said housing comprises a connector portion defining the first surface and a cover portion sealingly engaged to said connector portion and defining the second surface.
3. (previously presented) A module in accordance with claim 1 wherein said housing comprises a plurality of integrally molded connector receptacles extending outwardly from the first surface and away from the second surface.
4. (original) A module in accordance with claim 1 wherein said connectors are configured to engage 0.64 GET terminal system connectors.
5. (original) A module in accordance with Claim 1 further comprising a second circuit board contained in said housing.

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6. (previously presented) A module in accordance with Claim 1 wherein said fuse door includes side walls and a curved outer surface extending between the side walls.

7. (previously presented) A module in accordance with Claim 1 wherein said fuse door comprises an exterior surface, at least a portion of said exterior surface being depressed relative to the second surface of said housing.

8. (original) A module in accordance with Claim 1 wherein said fuse door is removable from said housing.

9. (cancelled)

10. (currently amended) A sealed electronic input/output module for an exterior location, the module comprising:

an insulative housing having a plurality of integrally formed connector receptacles on one side of the housing;

at least one printed circuit board contained within said housing;

a plurality of connectors coupled to said circuit board and extending into said connector receptacles;

at least one fuse electrically coupled to said circuit board; and

an insulative fuse door sealingly engaged to said housing beneath the connector receptacles to provide a moisture proof barrier at the exterior location, said fuse door having an upstanding handle portion being substantially flush with the housing when the fuse door is attached thereto, and said fuse door being positionable to provide access to said fuse from an exterior of said housing.

11. (previously presented) An input/output module in accordance with claim 10 wherein said housing comprises a connector portion and a cover portion, said connector receptacles formed in said connector portion, said fuse door coupled to said cover portion opposite said connector portion.

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12. (original) An input/output module in accordance with claim 10 wherein said connectors are configured to mate with 0.64 GET terminal system connectors.

13. (original) An input/output module in accordance with Claim 10 further comprising a second circuit board contained in said housing.

14. (original) An input/output module in accordance with Claim 10 wherein said fuse door is curved on one side thereof.

15. (previously presented) An input/output module in accordance with Claim 10 wherein said fuse door comprises side walls and an exterior surface, at least a portion of said exterior surface being concave in an area spaced from said side walls.

16. (original) An input/output module in accordance with Claim 10 wherein said fuse door is removable from said housing.

17. (original) An input/output module in accordance with Claim 10 wherein said housing comprises:

a first portion having a sealing groove;

a second portion having a sealing rim received in said groove; and

a seal member positioned in said groove and compressed by said rim.

18. (original) An input/output module in accordance with Claim 10 wherein said fuse door comprises an outer perimeter and a seal member substantially coextensive with said outer perimeter.

19. (currently amended) An electronic control module comprising:

an insulative housing comprising a connector portion having a plurality of integrally formed connector receptacles on an upper surface thereof, and a cover portion sealingly engaged to said connector portion opposite said connector portion;

at least one printed circuit board contained within said housing;

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a plurality of connectors coupled to said circuit board and extending into said connector receptacles;

at least one fuse electrically connected to said circuit board; and

an insulative fuse door removably engaged to a lower surface of said cover portion, said fuse door having a recessed handle portion, and said fuse door having a seal providing a moisture proof barrier when said fuse door is attached to said housing.

20. (previously presented) A control module in accordance with Claim 19 wherein said connectors are configured to mate with 0.64 GET terminal system connectors.

21. (previously presented) A control module in accordance with Claim 19 wherein one of said connector portion and said cover portion comprises a sealing groove, the other of said connector portion and said cover portion comprises a sealing rim, and said control module further comprising a seal member positioned in said groove and compressed by said rim when said cover portion is coupled to said connector portion.

22. (cancelled)